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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/816,241	04/01/2004	Jeffery W. Janzen	MICS:0105 (03-0346)	9203

7590 05/05/2006

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EXAMINER

LUU, PHO M

ART UNIT	PAPER NUMBER
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2824

DATE MAILED: 05/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

H-A

Office Action Summary

Application No.

10/816,241

Applicant(s)

JANZEN ET AL.

Examiner

Pho M. Luu

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3-13 and 28-300 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1,3-7 and 28-30 is/are allowed.
- 6) ☒ Claim(s) 8 and 10-13 is/are rejected.
- 7) ☒ Claim(s) 9 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 4/1/04
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☒ Other: Search History.

DETAILED ACTION

Amendment

1. Acknowledgment is made of applicant's Amendment, filed 08 February 2006.

The changes and remarks disclosed therein were considered.

2. Claims 2 and 14-27 are cancelled.
3. Claims 1, 3-13 and 28-30 are pending in the application.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 8 and 10-13 are rejected under 35 U.S.C. 102(b) as being anticipated by Trick. (US. 5,995,405).

Regarding claims 8 and 12, Trick in Figures 2-3 discloses a method of configuring a system comprising:

Reading a chip identification (**multiple memory chip 110, Figure 2**) number from a memory device (**memory module 100, Figure 2**), and

Reading operating current values from a database (**memory module 100 contain EEPROM 140 (EEPROM 140 including clock signal SCL and transferring database SDA that coupled to the multiple memory chips 110 for reading the operation current values of each memory chips 110, Figure 2-3))** wherein the

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operating current values uniquely correspond to the chip identification number (**see column 3, lines 17-29**).

With respect to claim 10, Trick in Figure 4 discloses that reading the operating current values comprises accessing the database via the internet (**processor based system 200, see column 4, lines 23-25**).

With respect to claim 11, Trick in Figure 4 discloses that reading the operating current values comprises accessing the database on a compact disk (**disk drive 212 and CD-ROM drive 214**).

With respect to claim 13, Trick in Figures 2-3 discloses that programming a non-volatile memory device (**memory module 140 is EEPROM**) with the operating current values.

Allowable Subject Matter

6. Claim 9 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: The prior art of record do not disclose or suggest at least the further limitation as recited in claim 9. In particular, the memory device to operate at a nominal speed and resetting the memory device to operate at a high speed after reading the operating current value.

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7. Claims 1, 3-7 and 28-30 are allowance:

The following is an examiner's statement of reasons for allowance:

There is no teaching or suggestion in the prior art to: **"measuring the operating current value in a volatile memory device and storing the operating current value in the database, wherein the operating current value is stored by a chip identification number uniquely corresponding to the volatile memory device"** in a method of manufacturing a memory module as claimed in the independent claim 1.

Claims 3-5 are also allowed because of their dependency claim 1; or

"storing the operating current value in a serial presence detect device and forming a memory module comprising each of the volatile memory device and the serial presence detect device" in a method of manufacturing a memory module as claimed in the independent claim 6. Claim 7 is also allowed because of its dependency claim 6; or

"booting a system comprising a memory device, accessing a database comprising operating current values uniquely corresponding to the memory device corresponding to the memory device" in a method as claimed in the independent claim 28. Claims 29-30 are also allowed because of their dependency claim 28.

Conclusion

8. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Pho M. Luu whose telephone number is

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571.272.1876. The examiner can normally be reached on M-F 8:00AM – 5:00PM.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's Supervisor, Richard Elms, can be reached on 571.272.1869. The official fax number for the organization where this application or proceeding is assigned is 703.872.9306 for all official communications.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PML
26 April 2006.



**ANH PHUNG
PRIMARY EXAMINER**